

**HRSP12, 1-137aa, Human, His tag, E.coli**

**Cat.NO.: TP02503**

3th Edition

**Synonyms:**Ribonuclease UK114, p14.5, PSP, UK114

**Description:**HRSP12, also called ribonuclease UK114, is an endoribonuclease found predominantly in human adult kidney and liver, and which is responsible for inhibiting translation by cleaving mRNA. This protein cleaves phosphodiester bonds only in single-stranded RNA. It may be an important biomarker for hepatic carcinoma.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol0.1M NaCl, 1mM DTT

**Molecular Weight:**16.6 kDa (157aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMSSLIRRVISTAKAPGAIGPYSQAVLVDRTIYISGQIGMDPSSGQLVSGGVAAEEAK  
QALKNMGEILKAAGCDFTNVVKTTLVLLADINDFNTVNEIYKQYFKSNFPARAAYQVAALPKGSRIEIEAVAIQGPLTTA  
SL

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.